Ham-Space Digest   Wed, 29 Jun 94   Volume 94 : Issue 171

Today's Topics:
                          AO-13 and Field Day
                       DSP-12 users/programmers
                        Element Files Standard
                        POSAT GPS information?
                          Satellite newbee..

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 29 Jun 1994 08:35:23 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!fs1.ee.ubc.ca!davem@network.ucsd.edu
Subject: AO-13 and Field Day
To: ham-space@ucsd.edu

Did anyone else manage to work anybody through AO-13 on Field Day?

We heard the beacons loud and clear but the transponders were
absolutely silent. Was this just a case of a really bad squint angle
or was there something else going on?

--
Dave Michelson ve7tsx
davem@ee.ubc.ca

Date: Wed, 29 Jun 1994 00:30:20
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!news.onramp.net!news.sprintlink.net!
news.world.net!news.teleport.com!ip-ca.teleport.com!n7ryw@network.ucsd.edu
Subject: DSP-12 users/programmers
To: ham-space@ucsd.edu

In article <2ua4f9$c8@freenet3.scri.fsu.edu> bmm1@freenet3.scri.fsu.edu (Bruce M.
Marshall) writes:
>From: bmm1@freenet3.scri.fsu.edu (Bruce M. Marshall)
>Subject: DSP-12 users/programmers
>Date: 22 Jun 1994 15:46:49 -0400

>I have been using an L.L.Grace DSP-12 for about a year now and am
>happy with it. It is a very powerful piece of equipment and is under
>utilized with it's present firmware. Is anyone doing any programming
>for this device?

Not really. The commented source code needs to be made availeble so that
programmers don't have to re-invent the wheel to add functions to the unit.
> Is firmware version 2.0 the latest?

Yes, and I have not seen any word of further upgrades in the immediate future.

>Is the AEA DSP unit programmable

Yes, but unlike the Grace unit, AEA does not encourage outside development.
This means that all improvements are written by them ONLY. It took them well
over a year just to get the step outputs working for the PSK Pacsats...

> and if so are programs written for it compatible with the DSP-12?

Unfortunately, no. Although they do use the same DSP chip (56001), their
control processors are completely different, as well as their underlying
operating systems.

I have been using the DSP-12 for three years now, and I thoroughly enjoy it.
If I ever get some time to play with it, I would love to do some programming
with it. You can't do that with the DSP-2232...

Bill,   n7ryw@teleport.com

Date: Wed, 29 Jun 1994 00:19:53
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!news.onramp.net!news.sprintlink.net!
news.world.net!news.teleport.com!ip-ca.teleport.com!n7ryw@network.ucsd.edu
Subject: Element Files Standard
To: ham-space@ucsd.edu

Over the years, I seen a lot of different ways of elements being sent. They seem to have boiled down to two types, Amsat and Two line. This is fine, since most tracking programs will read both, but there seems to be no standardization for filenames.

This makes it very difficult for programmers and users alike to find these files when it comes time to update. Since this is done as often as 3 times a week or more, I think that there should be some sort of standardization for the filenames used.

I won't go into what I have been thinking of, since I would rather hear completely fresh opinions, unbiased by my suggestions. I have had a few responses on the two Kitsats where I posted a similar request, but I want to hear from as many as possible before throwing out a proposition.

Filenamse are not the only problem. Usually there is extraneous text included in the files. This text, though sometimes informative, is enough to drive a programmer to take up knitting instead! If anyone has ideas on how to separate this extra text, while preserving useability, I would love to hear it!!!

I will be checking this area for about a week before I formulate a proposition, which I will send out for comment, and then present to Amsat, NASA, and whoever else might help in implementing a standard.

Here's your chance to make a difference! Let's hear your ideas!!! Post 'em or mail 'em, or send them via KO-23 or KO-25....

See ya bye!   n7ryw@teleport.com

Date: Tue, 28 Jun 1994 14:07:26 GMT
From: netcomsv!netcom.com!thomsona@decwrl.dec.com
Subject: POSAT GPS information?
To: ham-space@ucsd.edu

Can anyone out there send me information on the GPS experiment on POSAT? Equipment, experimental design and goals, results?

TIA

Date: 29 Jun 1994 07:27:27 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!EU.net!news.forth.gr!
helios.intranet.gr!phaethon!demetre@network.ucsd.edu
Subject: Satellite newbee..

To: ham-space@ucsd.edu

CQ Netters..

For some time now I wish to get started into Satellite communications,
Reception at first, but I'm somewhat lost :-(
What Satellites are able to be used over Europe ?? What kind of antenna
can be used, other than the parabolic antennas ??? What bands are available
for Satellite use ??
I'de really appreciate a reply via e-mail...

73's

demetre@intranet.gr

End of Ham-Space Digest V94 #171
****